



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D412-742-023
Job Sheet 187650



Part No: D412-742-023

Job Qty: 1 ea

Part Name: New Skidtube, DART (Apical) Tri-Bag Float Compatible - Fits LH or RH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/11/18

Job Tracking No:

Due Date: 12/24/18

1/28/2019

21

Created By: Marie Lajeunesse

Type: SOLD

9-89

Description:

Note: IIN-D412-742-2 REV.A IPP REV:A 17.11.02 NEW ISSUE DD VERF:JFS IPP REV:B 18.08.20 AS PER
CHG002 (DSI 9800) DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		12/24/18	0.00	0.00	Start Up Stores/Pkg-2		JAN 22 2019
110	Packaging	1 pcs		12/24/18	0.00	0.00	Packaging1-4		
120	QC	1 pcs		12/24/18	0.00	0.00	QC4		
130	Packaging	1 pcs		12/24/18	0.00	0.00	Packaging3-2		
135	DC	1 pcs		12/24/18	0.00	0.00	DC		
140	QC21-FG	1 Ea		12/24/18	0.00	0.00	QC21		MAR 13 2019

Part Op 130 - Identify and pack for shipping as per PPP D412-742-023 Location :FG083
Descriptions: 135 - Photocopy blue file and create labels per PPP D412-742-023 CHG002
140 - NULL

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C46A	Bolt	13 Ea (13 ea)	90-Start up Operation	5142486
AN4C47A	Bolt	4 Ea (4 ea)	90-Start up Operation	5041324
AN4C52A	Bolt	4 Ea (4 ea)	90-Start up Operation	5037882x2 5074161
AN4C6A	Bolt	16 Ea (16 ea)	90-Start up Operation	5100392
AN4C7A	Bolt	4 Ea (4 ea)	90-Start up Operation	5095478
AN6C12A	Bolt	8 Ea (8 ea)	90-Start up Operation	5062326
D2747	Set Screw	4 pcs (4 ea)	90-Start up Operation	5050339
D2876	Saddle Spacer	2 Ea (2 ea)	90-Start up Operation	5066646
D2877	Saddle Spacer	2 Ea (2 ea)	90-Start up Operation	5066642
D3405-041	Ground Handling Lug	1 Ea (1 ea)	90-Start up Operation	5101280
D3405-043	Ground Handling Lug	1 Ea (1 ea)	90-Start up Operation	5101288
D3407-041	Tow Ring	1 pcs (1 ea)		5126120

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

			90-Start up Operation	
D3456-1	Washer	1 pcs (1 ea)	90-Start up Operation	5079335
D3533-1	Set Screw	2 Ea (2 ea)	90-Start up Operation	5050331
D3672-3	Washer, Phenolic	32 Ea (32 ea)	90-Start up Operation	5131065
D3672-9	Washer	8 pcs (8 ea)	90-Start up Operation	5133084
D5446-1	Bushing	24 Ea (24 ea)	90-Start up Operation	5155034
D5466-1	Saddle, Fwd, In	1 Ea (1 ea)	90-Start up Operation	5142092
D5467-1	Saddle, Fwd, Out	1 Ea (1 ea)	90-Start up Operation	5142090
D5468-1	Saddle, Aft, Out	1 Ea (1 ea)	90-Start up Operation	5138980
D5469-1	Saddle, Aft, In	1 Ea (1 ea)	90-Start up Operation	5138990
D5482-1	Washer	8 Ea (8 ea)	90-Start up Operation	5143251
D5482-3	Washer	2 Ea (2 ea)	90-Start up Operation	5030562
D5513-1	Bushing	6 Ea (6 ea)	90-Start up Operation	5153455
MS21043-3	Nut	3 Ea (3 ea)	90-Start up Operation	5143711
MS21043-4	Nut	28 Ea (28 ea)	90-Start up Operation	5119223
NAS1149C0332R Washer		75 Ea (75 ea)	90-Start up Operation	5104354
NAS1149C0432R Washer		32 Ea (32 ea)	90-Start up Operation	5103990
NAS1149C0632R Washer		8 pcs (8 ea)	90-Start up Operation	5043776
AN4C53A	Bolt	4 Ea (4 ea)	90-Start up Operation	PM137198
D412-742-053	Repl. Skidtube, DART (Apical) Tri-Bag Float Compatible - Fits LH or RH	1 Ea (1 ea)	90-Start up Operation	5155368

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3C46A	13	103	0
	AN4C47A	4	29	0
	AN4C52A	4	51	0
	AN4C53A	4	48	0
	AN4C6A	16	364	0
	AN4C7A	4	99	0
	AN6C12A	8	81	0
	D2747	4	104	0
	D2876	2	57	0
	D2877	2	60	0
	D3405-041	1	26	0
	D3405-043	1	22	0
	D3407-041	1	16	0
	D3456-1	1	223	0
	D3533-1	2	95	0
	D3672-3	32	1,106	0
	D3672-9	8	744	0
	D412-742-053	1	0	0
	D5446-1	24	23	0
	D5466-1	1	0	0
	D5467-1	1	0	0
	D5468-1	1	0	0
	D5469-1	1	0	0
	D5482-1	8	12	0
	D5482-3	2	8	0
	D5513-1	6	6	0
	MS21043-3	3	866	0

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042) _____	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor		
			QC / QA Coordinator		
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details: _____					

MS21043-4	28	751	0
NAS1149C0332R	75	2,516	0
NAS1149C0432R	32	1,646	0
NAS1149C0632R	8	146	0

Part Specifications

Specifications could not be found.

Plex 12/11/18 8:24 AM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

11894



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D412-742-023
Job Sheet 187650



Part No: D412-742-023

Job Qty: 1 pcs

Part Name: New Skidtube, DART (Apical) Tri-Bag Float Compatible - Fits LH or RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/11/18

Job Tracking No:

Due Date: 1/28/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D412-742-2 REV.A IPP REV:A 17.11.02 NEW ISSUE DD VERF:JFS IPP REV:B 18.08.20 AS PER
CHG002 (DSI 9800) DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	1/21/19	1/28/19	0.00	0.00	Start Up Stores/Pkg-2		
110	Packaging 1 - Pick Kit	1 pcs		1/28/19	0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		

Plex 2/11/19 11:53 AM Dart.Hadley.Shannon



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CANADA
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Container No: S155465



Part: D412-742-023

Job No: 187650

Serial No/Batch: S155465

Revision: A

Inspector:

Exp Date:

Instructions: FAA STC SR01583SE 18/10/17, TC STC SH05-37 Issue 1, EASA STC SR01583SE 18/10/17

					Packaging 1 - 30	
					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120 QC 4	1 pcs	1/28/19	0.00	0.00	QC 4 - 26	
					QC 4 - 28	
					QC 4 - 42	
					QC 4 - 58	
					QC 4 - 6	DAS 69 9-89
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
130 Packaging 3-1 - Stock - B4B	1 pcs	1/28/19	0.00	0.00	Packaging 3 - 1 - B4B	DAS 69 9-89
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
135 DC - 1 - B4B	1 pcs	1/28/19	0.00	0.00	DC - 1 - B4B	
					DC - 2 - B4B	
140 QC 21 - FG	1 pcs	1/28/19	0.00	0.00	QC 21 - FG - 21	
					QC 21 - FG - 70	
					QC 21 - SA - 53	

Part Op 110 - Packaging1-4 (Pick Kit)

Descriptions: 120 - QC4 (QC4- 100% Inspect kits for completeness)

130 - Packaging3-2 (Identify as per dwg & Stock Location: _____) Identify and pack for shipping as per PPP D412-742-

023 Location :FG083

135 - DC (Document Control) Photocopy blue file and create labels per PPP D412-742-023 CHG002

140 - QC21 (QC21- Final Inspection - Work Order Release) NULL

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C46A	Bolt	13 Ea (13 ea)	110-Packaging 1 - Pick Kit	
AN4C47A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	
AN4C52A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	
AN4C6A	Bolt	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	
AN4C7A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	
AN6C12A	Bolt	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	
D2747	Set Screw	4 pcs (4 ea)	110-Packaging 1 - Pick Kit	
D2876	Saddle Spacer	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	
D2877	Saddle Spacer	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	
D3405-041	Ground Handling Lug	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	
D3405-043	Ground Handling Lug	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	
D3407-041	Tow Ring	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	
D3456-1	Washer	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	
D3533-1	Set Screw	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	
D3672-3	Washer, Phenolic	32 pcs (32 ea)	110-Packaging 1 - Pick Kit	
D3672-9	Washer	8 pcs (8 ea)	110-Packaging 1 - Pick Kit	
D5446-1	Bushing	24 pcs (24 ea)	110-Packaging 1 - Pick Kit	
D5466-1	Saddle, Fwd, In	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	
D5467-1	Saddle, Fwd, Out	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	
D5468-1	Saddle, Aft, Out	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	
D5469-1	Saddle, Aft, In	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	
D5482-1	Washer	8 pcs (8 ea)	110-Packaging 1 - Pick Kit	
D5482-3	Washer	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	
D5513-1	Bushing	6 pcs (6 ea)	110-Packaging 1 - Pick Kit	
MS21043-3	Nut	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	
MS21043-4	Nut	28 Ea (28 ea)	110-Packaging 1 - Pick Kit	
NAS1149C0332R	Washer	75 Ea (75 ea)	110-Packaging 1 - Pick Kit	
NAS1149C0432R	Washer	32 Ea (32 ea)	110-Packaging 1 - Pick Kit	
NAS1149C0632R	Washer	8 pcs (8 ea)	110-Packaging 1 - Pick Kit	
AN4C53A	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	
D412-742-053	Repl. Skidtube, DART (Apical) Tri-Bag Float Compatible - Fits LH or RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	

Plex 2/11/19 11:53 AM Dart.Hadley.Shannon

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	AN3C46A	13	253	13
Allocated Container Detail				
Qty	Container No		Location	Init
13	S146443		st346	_____
AN4C47A		4	80	4
Allocated Container Detail				
Qty	Container No		Location	Init
4	S146444		st341	_____
AN4C52A		4	61	4
Allocated Container Detail				
Qty	Container No		Location	Init
2	S037892		st340	_____
2	S146445		st340	_____
AN4C53A		4	97	4
Allocated Container Detail				
Qty	Container No		Location	Init
4	FM137198		st340	_____
AN4C6A		16	536	16
Allocated Container Detail				
Qty	Container No		Location	Init
16	S146446		st345	_____
AN4C7A		4	103	4
Allocated Container Detail				
Qty	Container No		Location	Init
4	S146447		st345	_____
AN6C12A		8	161	8
Allocated Container Detail				
Qty	Container No		Location	Init
8	S146448		st335	_____
D2747		4	200	4
Allocated Container Detail				
Qty	Container No		Location	Init
4	S146449		st010	_____
D2876		2	57	2
Allocated Container Detail				
Qty	Container No		Location	Init
2	S146450		st013	_____
D2877		2	60	2
Allocated Container Detail				
Qty	Container No		Location	Init
2	S146451		st013	_____

D3405-041	1	26	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S146452	st529	_____

D3405-043	1	22	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S146453	st529	_____

D3407-041	1	28	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S146454	st530	_____

D3456-1	1	164	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	S146455	st036	_____

D3533-1	2	93	2
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Allocated Container Detail

Qty	Container No	Location	Init
2	S146456	st038	_____

D3672-3	32	10,904	32
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Allocated Container Detail

Qty	Container No	Location	Init
32	S146457	st047	_____

D3672-9	8	985	8
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Allocated Container Detail

Qty	Container No	Location	Init
8	S146458	st047	_____

D412-742-053	1	0	0
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D5446-1	24	22	0
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D5466-1	1	4	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	s142092	st399	_____

D5467-1	1	4	1
---------	---	---	---

Allocated Container Detail

Qty	Container No	Location	Init
1	S146459	st399	_____

D5468-1	1	4	1
---------	---	---	---

Allocated Container Detail

Qty	Container No	Location	Init
1	S147316	st399	_____

D5469-1	1	4	1
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Allocated Container Detail

Qty	Container No	Location	Init
1	s138990	st399	_____
D5482-1	8	196	8

Allocated Container Detail

Qty	Container No	Location	Init
8	S146460	st165	_____
D5482-3	2	54	2

Allocated Container Detail

Qty	Container No	Location	Init
2	S007716	start up container	_____
D5513-1	6	56	0
MS21043-3	3	1,382	3

Allocated Container Detail

Qty	Container No	Location	Init
3	S146461	st302	_____
MS21043-4	28	1,538	28

Allocated Container Detail

Qty	Container No	Location	Init
28	S146462	st302	_____
NAS1149C0332R	75	4,726	75

Allocated Container Detail

Qty	Container No	Location	Init
75	S146463	st266	_____
NAS1149C0432R	32	1,469	32

Allocated Container Detail

Qty	Container No	Location	Init
32	S146465	st266	_____
NAS1149C0632R	8	174	8

Allocated Container Detail

Qty	Container No	Location	Init
8	S146467	st266	_____

Part Specifications

Specifications could not be found.

Plex 2/11/19 11:53 AM Dart.Hadley.Shannon



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Hawkesbury, ON
K6A 1K7
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Fax 613 632-5246

D412-742-023
Job Sheet 187650



Part No: D412-742-023

Job Qty: 1 ea

Part Name: New Skidtube, DART (Apical) Tri-Bag Float Compatible - Fits LH or RH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/11/18

Job Tracking No:

Due Date: 12/24/18 1/28/2019

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D412-742-2 REV.A IPP REV:A 17.11.02 NEW ISSUE DD VERF:JFS IPP REV:B 18.08.20 AS PER
CHG002 (DSI 9800) DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	12/24/18	12/24/18	0.00	0.00	Start Up Stores/Pkg-2		JAN 22 2019
110	Packaging	1 pcs	12/24/18	12/24/18	0.00	0.00	Packaging1-4		
120	QC	1 pcs	12/24/18	12/24/18	0.00	0.00	QC4		
130	Packaging	1 pcs	12/24/18	12/24/18	0.00	0.00	Packaging3-2		
135	DC	1 pcs	12/24/18	12/24/18	0.00	0.00	DC		
140	QC21-FG	1 Ea	12/24/18	12/24/18	0.00	0.00	QC21		

Part Op 130 - Identify and pack for shipping as per PPP D412-742-023 Location :FG083
Descriptions: 135 - Photocopy blue file and create labels per PPP D412-742-023 CHG002
140 - NULL

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C46A	Bolt	13 Ea (13 ea)	90-Start up Operation	5142480
AN4C47A	Bolt	4 Ea (4 ea)	90-Start up Operation	5041524
AN4C52A	Bolt	4 Ea (4 ea)	90-Start up Operation	5037892x2 5074161
AN4C6A	Bolt	16 Ea (16 ea)	90-Start up Operation	5100397
AN4C7A	Bolt	4 Ea (4 ea)	90-Start up Operation	5095478
AN6C12A	Bolt	8 Ea (8 ea)	90-Start up Operation	5062376
D2747	Set Screw	4 pcs (4 ea)	90-Start up Operation	5050339
D2876	Saddle Spacer	2 Ea (2 ea)	90-Start up Operation	5066646
D2877	Saddle Spacer	2 Ea (2 ea)	90-Start up Operation	5066642
D3405-041	Ground Handling Lug	1 Ea (1 ea)	90-Start up Operation	5101280
D3405-043	Ground Handling Lug	1 Ea (1 ea)	90-Start up Operation	5101288
		1 pcs (1 ea)		5126120

REFERENCE ONLY

4.0 WEIGHT AND BALANCE

When the DSI 9800-011 Wearplate Replacement Kit has been installed, the updated Weight and Balance for the D412-742-021/-023 Float Skidtubes is as follows:

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-742-021	73.4 lb	+/- 55 in	+/- 4037 in-lb	124 in	9102 in-lb
FLOAT SKIDTUBE INSTALLATION @ CHG 002	33.3 kg	+/- 1.4 in	+/- 46.5 m-kG	3.15 m	105 m-kG
D412-742-023	72.0 lb	+/- 55 in	+/- 3960 in-lb	124 in	8928 in-lb
FLOAT SKIDTUBE INSTALLATION @ CHG 002	32.7 kg	+/- 1.4 m	+/- 45.6 m-kG	3.15 m	103 m-kG

5.0 PARTS LIST

Qty	Part Number	Description
-011		
X	DSI 9800-011	REPLACEMENT WEARPLATE KIT
1	D6489-041	FWD WEARPLATE ASSEMBLY
1	D6489-3	MD WEARPLATE
1	D6489-045	AFT WEARPLATE ASSEMBLY
4	AN4C53A	BOLT
13	AN3C44A	BOLT
10	AN3C46A	BOLT
20	NAS114900332R	WASHER
4	MS21043-4	NUT
13	MS21043-3	NUT

Update the Parts List in IIN-D412-742-2 Rev A and ICA-D412-742-2 Rev 0 as follows.

Item	Qty	Qty	Part Number	Description
	-021	-051	-055	
	X			FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-021	FLOAT SKIDTUBE
		1	D412-742-055	WEARPLATE KIT
38	8		AN4C52A	BOLT
38a	4		AN4C52A	BOLT
38b	4		AN4C53A	BOLT

← DELETE
← ADD
← ADD

Item	Qty	Part Number	Description
	-023	-053	
	X		FLOAT SKIDTUBE INSTALLATION
	1	X	FLOAT SKIDTUBE
	1	D412-742-055	WEARPLATE KIT
38	8	AN4C52A	BOLT
38a	4	AN4C52A	BOLT
38b	4	AN4C53A	BOLT

← DELETE
← ADD
← ADD

REFERENCE ONLY

DESIGN	MW	DART AEROSPACE USA, INC	
DRAWN	MW	EUGENE, OR	
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9800	SHEET 5 OF 5
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE REPLACEMENT	NTS
DATE	18.05.17	COPYRIGHT © 2018 BY DART AEROSPACE LTD.	

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5.2 D412-742-023 (DART TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -023	Qty -053	Part Number	Description
	X		D412-742-023	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-053	FLOAT SKIDTUBE
		1	D412-742-055	WEARPLATE KIT
		1	D5425-043	FLOAT SKIDTUBE ASSY.
1		*6	*D3672-1	*WASHER
2		30	D5513-1	BUSHING
3		*12	*D5512-1	*CROSSBOLT SPACER
5		*1	*D5525-3	*FLOAT SKIDTUBE
6		*1	*D5483-041	*TOW CAP ASSY.
7		*1	*D5484-041	*AFT CAP ASSY.
12		*18	*D5518-1	*CROSSBOLT SPACER
13		*6	*AN3C5A	*BOLT
14		15	AN3C44A	BOLT
15		*6	*NAS1149C0332R	*WASHER
16		15	MS21043L3	NUT
30	1		D5466-1	SADDLE, FWD INSIDE
31	1		D5467-1	SADDLE, FWD OUTSIDE
32	1		D5468-1	SADDLE, AFT OUTSIDE
33	1		D5469-1	SADDLE, AFT INSIDE
34	16		AN4C6A	BOLT
35	28		MS21043-4	NUT
36	32		NAS1149C0432R	WASHER
37	32		D3672-3	PHENOLIC WASHER
38	8		AN4C52A	BOLT
39	24		D5446-1	BUSHING
40	8		AN6C12A	BOLT
41	8		NAS1149C0632R	WASHER
42	8		D3672-9	WASHER
43	2		D2876	SADDLE SPACER
44	2		D2877	SADDLE SPACER
45	4		D2747	SET SCREW
46	2		D3533-1	SET SCREW
47	4		AN4C7A	BOLT
50	1		D3407-047	TOW RING
51	2		D5482-3	ACETAL WASHER
52	1		D3456-1	WASHER
60	1		D3405-041	GHW LUG
61	1		D3405-043	GHW LUG
62	4		AN4C47A	BOLT
63	8		D5482-1	ACETAL WASHER
71	75**		NAS1149C0332R	WASHER
72	6		D5513-1	BUSHING
73	3		MS21043-3	NUT
74	13		AN3C46A	BOLT

*DENOTES PART IS INCLUDED WITH D5425-043 ASSEMBLY

**INCLUDES ADDITIONAL WASHERS TO COMPENSATE FOR VARIANCE IN STACKUP THICKNESS